

## ST8-HA5 28 W/830 1500 mm

### SubstiTUBE Advanced | Tubular LED lamps



#### Areas of application

- General illumination within ambient temperatures from -25...+50 °C
- Illumination of production areas
- Traffic zones and corridors
- Supermarkets and department stores
- Industry

#### Product benefits

- Quick, simple and safe replacement without rewiring
- Energy savings of up to 60 % (compared to T8 fluorescent lamp on CCG)
- Instant-on light, therefore ideally suitable in combination with sensor technology
- Maximum resistance to switching loads
- Correct operation even at low temperatures
- Extremely break resistant thanks to aluminum heat sink and polycarbonate cover

#### Product features

- LED alternative to classic T8 fluorescent lamps in CCG luminaires
- Bright, robust and durable
- Uniform illumination
- Wide beam angle: 130°
- Mercury-free and RoHS compliant
- Type of protection: IP20
- Integrated ECG with high power factor



## Technical data

### Electrical data

Rated luminous flux	3060 lm
Nominal wattage	28.0 W
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Nominal voltage	220 V
Operating frequency	50...60 Hz
Nominal current	0.126 A
Power factor $\lambda$	> 0.90

### Photometrical data

Light color as per EN 12464-1	Warm White
Color temperature	3000 K
Nominal luminous flux	3060 lm

### Light technical data

Beam angle	150 °
Starting time	< 0.5 s
Warm-up time (60 %)	< 0.50 s
Rated beam angle (half peak value)	150.00 °

### Dimensions & weight



Overall length	1513 mm
Length	1513 mm
Tube diameter	27.5 mm
Base diameter	27.5 mm
Product weight	400.00 g
Maximum diameter	28.0 mm

## Product datasheet

### Temperatures

Ambient temperature range	-20...+45 °C
Temperature range in operation	-20...75 °C
Temperature range at storage	-20...80 °C

### Lifespan

Nominal lamp life time	50000 h
Rated lamp life time	50000 h
Lumen main.fact.at end of nom.life time	0.70
Number of switching cycles	200000

### Additional product data

Base (standard designation)	G13
Mercury-free	Yes
New article	NEW

### Capabilities

Dimmable	No
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### Certificates & standards

Standards	CE
Energy efficiency class	A+
Energy consumption	34 kWh/1000h

### Country specific categorizations

ILCOS	DR-28/830-G13-27.5/1500
Order reference	ST8-HA5-306 28W

### Equipment / Accessories

- Suitable for operation with low-loss and conventional control gears

### Safety advice

Not suitable for operation with electronic control gear.

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
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## Product datasheet

4052899922167	ST8-HA5 28 W/830 1500 mm	Shipping carton box 25	1637 mm x 191 mm x 207 mm	64.72 dm <sup>3</sup>	13941.00 g
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The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

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### References / Links

For current information see

▶ [www.osram.com/substitute](http://www.osram.com/substitute)

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